

SOLAR SIMULATED LIGHT INDUCES CJUN IN HUMAN SKIN IN VIVO

No ON

JMED.

.5MED



1MED

2MED



SOLAR SIMULATED LIGHT ACTIVATES NF-KBIN HUMAN SKIN IN VIVO

No UV

1MED

2MED

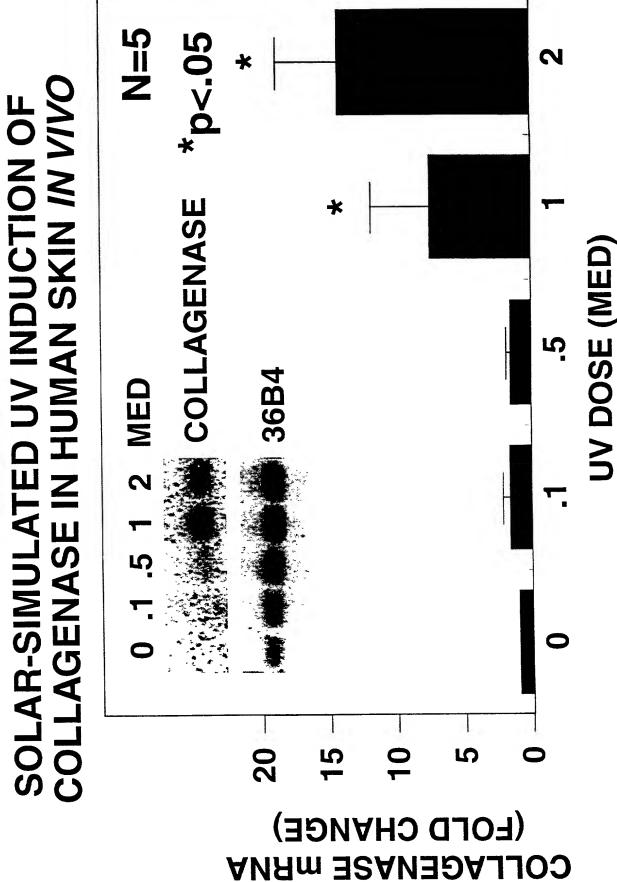


1MED

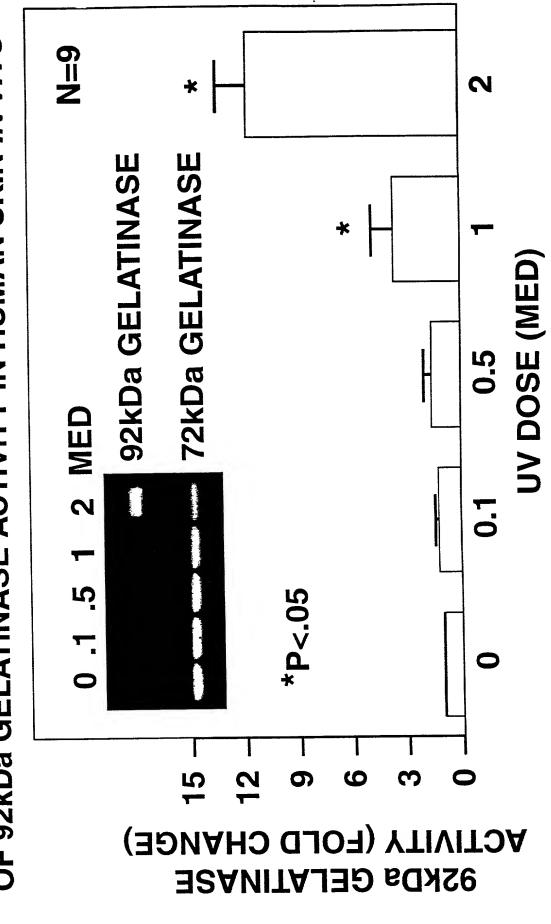
2MED



Figure 3. Automobile

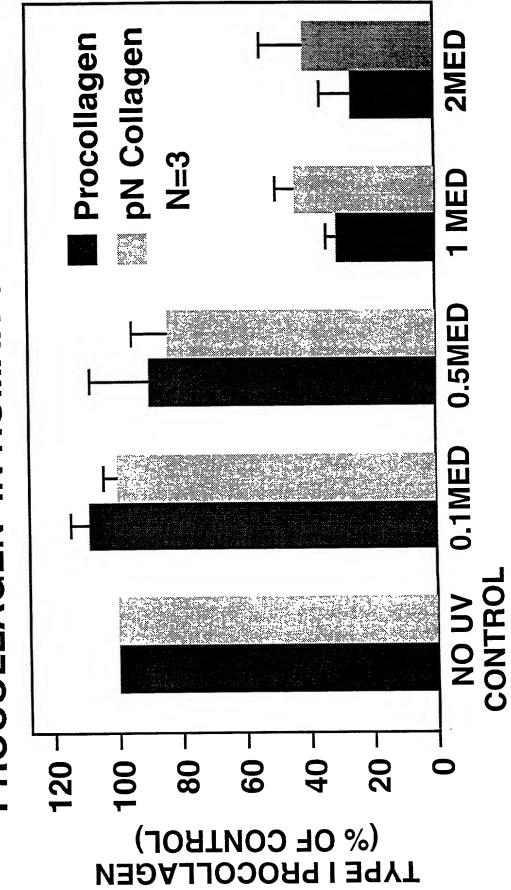


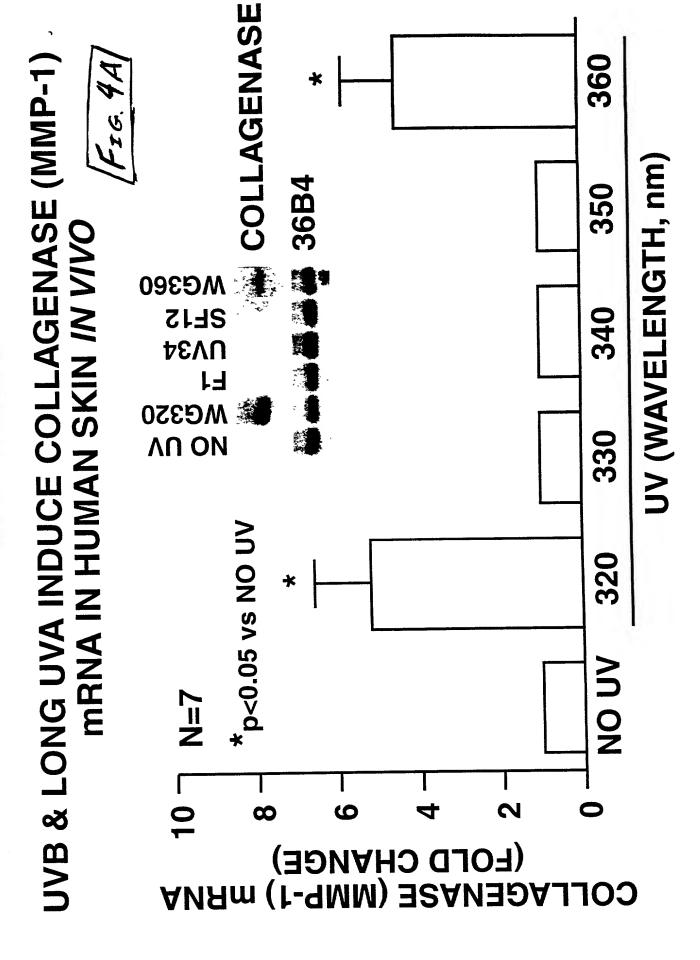
DOSE DEPENDENCE FOR SOLAR-STIMULATED UV INDUCTION OF 92kDa GELATINASE ACTIVITY IN HUMAN SKIN *IN VIVO*



PROCOLLAGEN IN HUMAN SKIN IN VIVO SOLAR SIMULATED UV REDUCES TYPE

FIG. 3C







CHARACTERISTICS OF UV FILTERS USED TO DETERMINE WAVELENGTH DEPENDENCE OF COLLAGENASE INDUCTION IN HUMAN SKIN IN VIVO (–) No COLase Induction Induction (+) COLase **UVA1** UVA2 UVB WG360 (+) **Jnfiltered** WG320 (+) T T **UV34** (SF12 CVC 1.87 9 တ က $(M \setminus cm^2 \setminus nm)$ **IBRADIANCE**

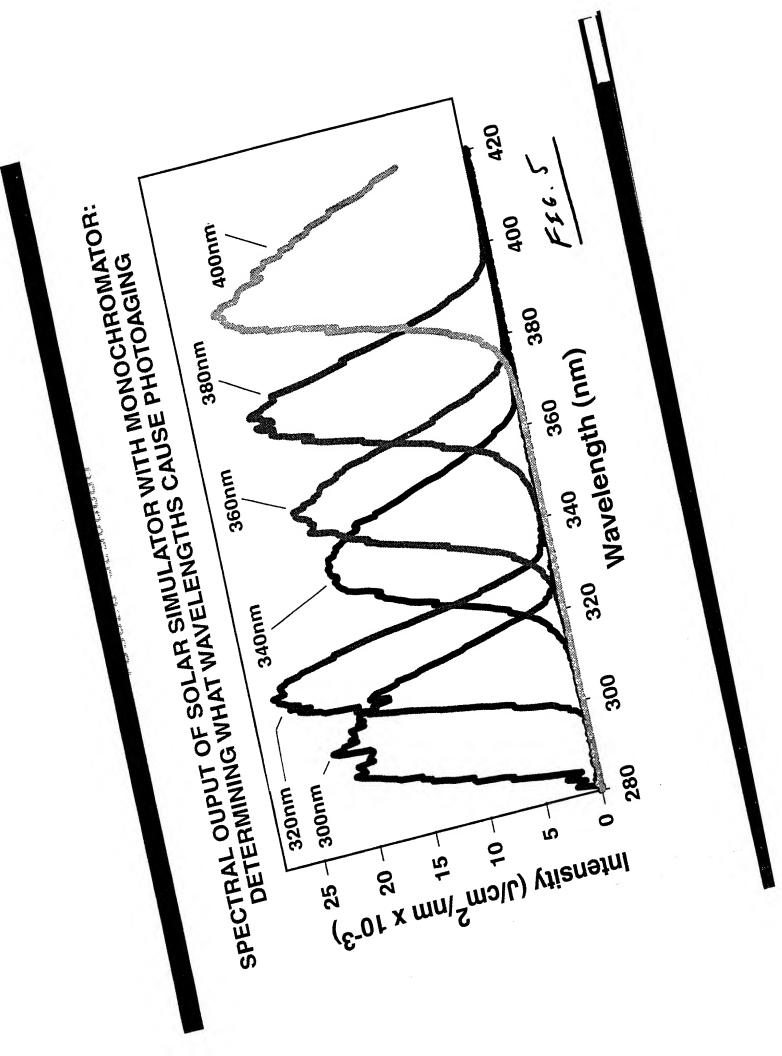
400

350

300

250

WAVELENGTH (nm)



FEG. 6A

380nm

360nm

340nm

320nm

300nm

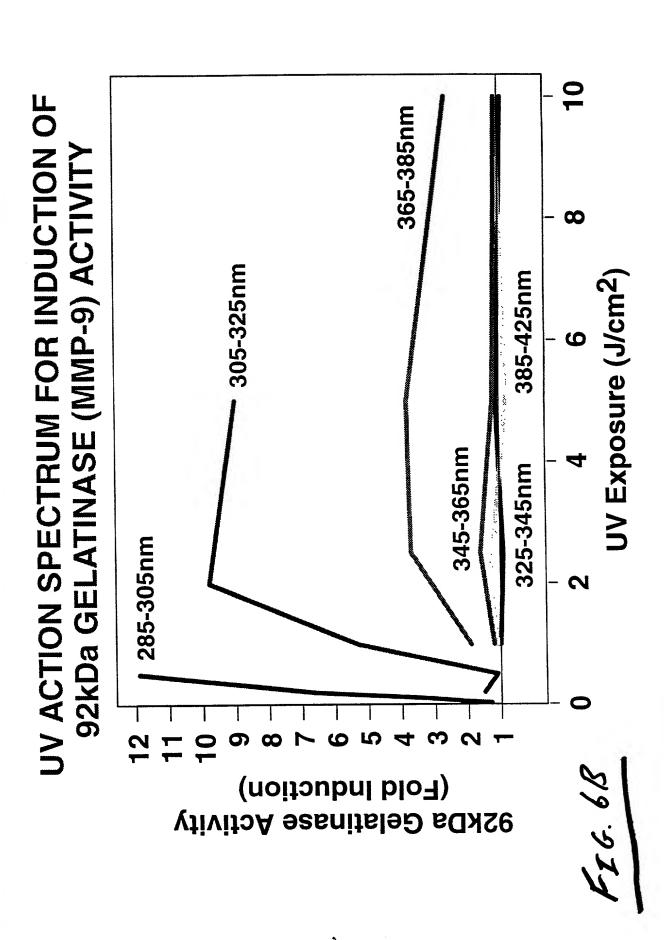
9=u

9=u

9=u

n=5

9=u



RELATIVE EFFECTIVENESS OF UV WAVELENGTH TO INDUCE FIG. 6C

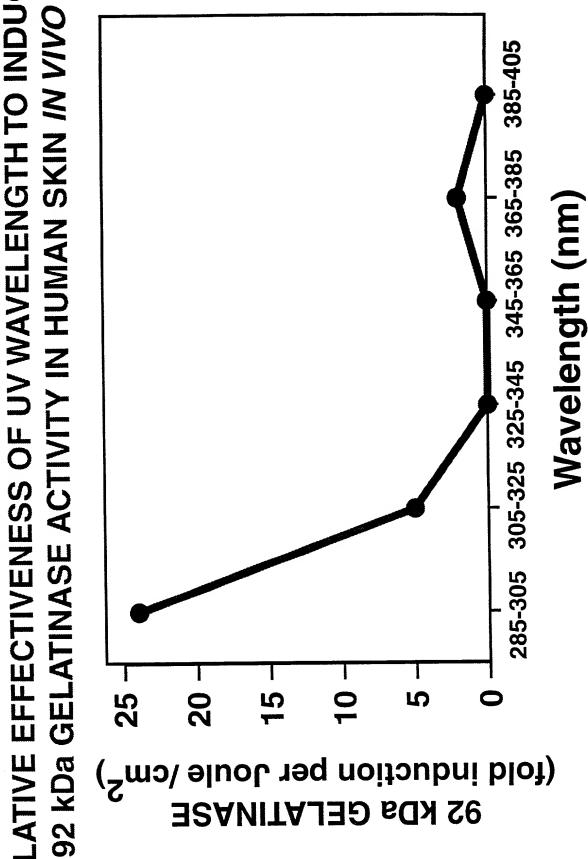
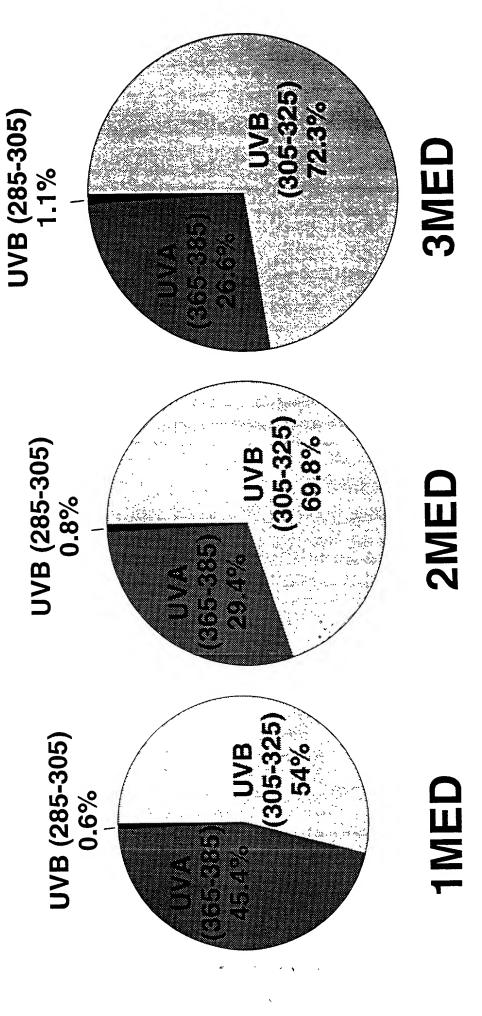
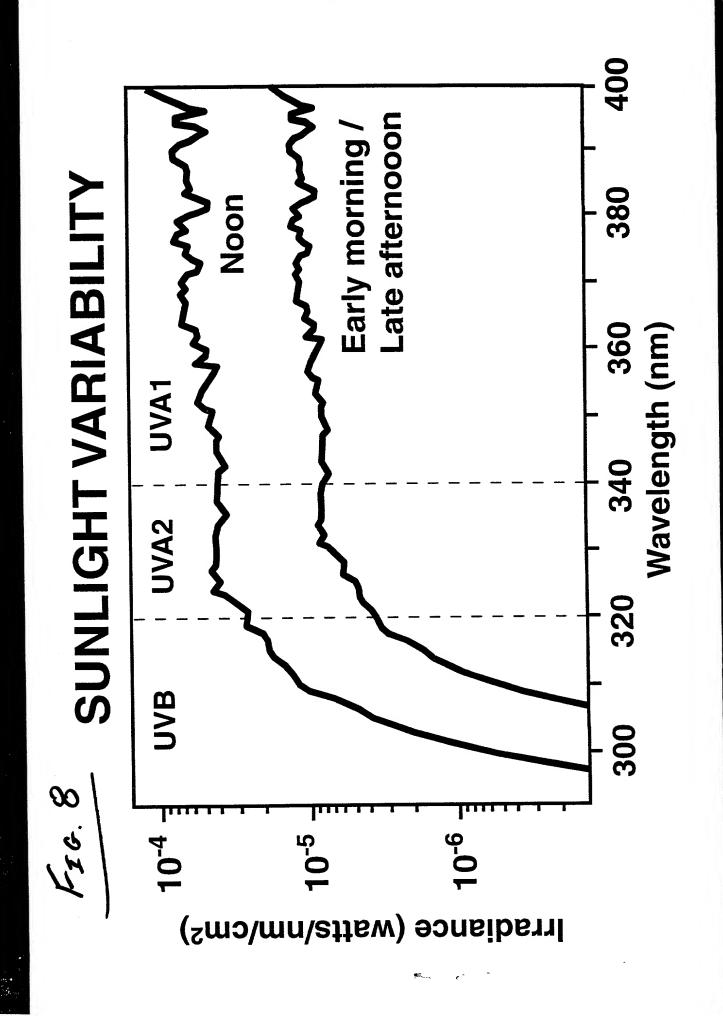
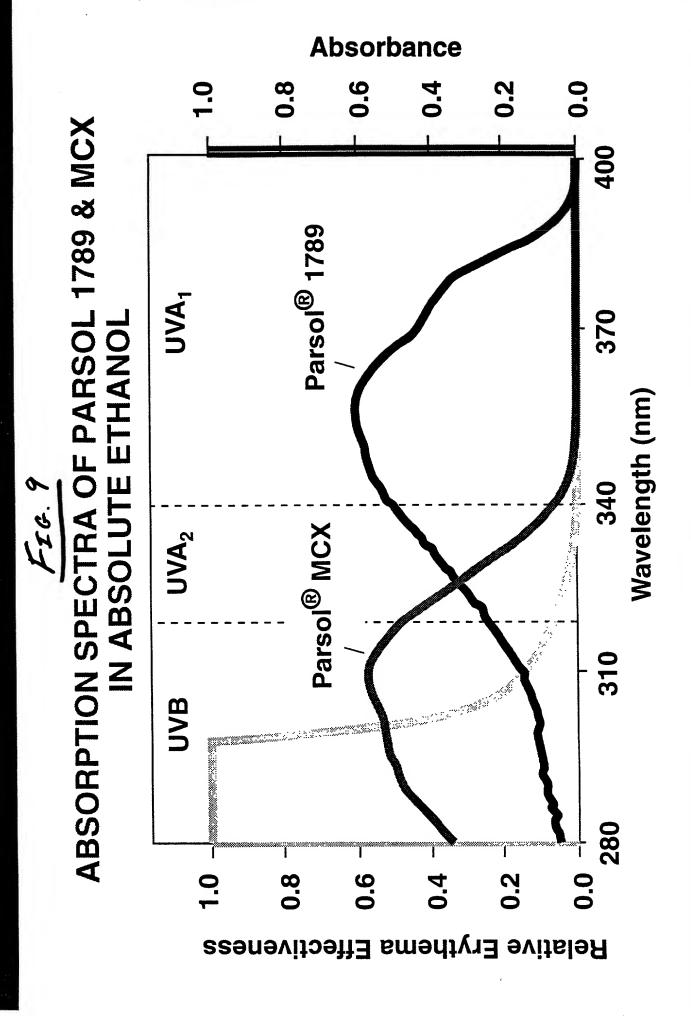


FIG. 7

TO INDUCTION OF 92kDa GELATINASE ACTIVITY BY SOLAR-SIMULATED UV IN HUMAN SKIN *IN VIVO* EFFECTIVE CONTRIBUTION OF UV WAVELENGTHS







UVA1 WAVELENGTH DEPENDENCE FOR INDUCTION OF COLLAGENASE MRNA IN HUMAN SKIN IN VIVO 400nm **UV WAVELENGTH** 390nm 380nm 370nm *p=.05 NO ON S=Z (FOLD CHANGE) COLLAGENASE mRNA

UVB/A2 Wavelength Dependence for Induction of Collagenase mRNA in Human skin in vivo

